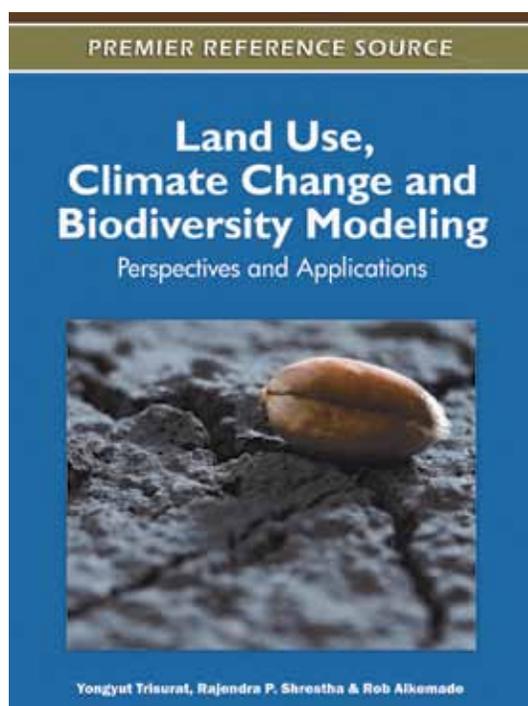


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Land Use, Climate Change and Biodiversity Modeling: Perspectives and Applications



Yongyut Trisurat (Kasetsart University, Thailand), Rajendra P. Shrestha (Asian Institute of Technology, Thailand) and Rob Alkemade (Netherlands Environment Assessment Agency, The Netherlands)

How humans use terrestrial land affects the earth and all life forms on it. Biodiversity loss and climate change are consequences of the same inappropriate and careless uses of land that negatively impact ecosystems on a smaller scale.

Land Use, Climate Change and Biodiversity Modeling: Perspectives and Applications combines state-of-the-art modeling approaches at various scales with case studies from across the world. These examples help natural resource managers, scientists, and decision makers overcome their fear of models. The case studies show how to translate models into results and illustrate how pro-active implementation can mitigate biodiversity loss. This material will interest individual researchers, but it is also critical for policy-makers committed to the future of the planet.

Topics Covered:

- Climate Change Modeling
- Deforestation and Climate Change
- Effects of Land Use and Biodiversity
- Effects of Land Use on Climate Change
- Geoinformatics for Land Use and Biodiversity Studies
- Land Degradation
- Land Use Informatics and Climate Change
- Land Use Modeling
- Quantitative Methodologies for Research on Biodiversity, Land Use, and Climate Change
- Sustainable Land Use

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Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.

Yongyut Trisurat is an Associate Professor of Forestry at Kasetsart University in Bangkok, Thailand. He received PhD in natural resources management and conservation from the Asian Institute of Technology (AIT) in Thailand. He was a Research Fellow at the Institute of Geography, Freie University Berlin in 1995, a Fulbright Visiting Scholar affiliated with University of Hawaii and the East-West Center in 2005, and a Visiting Researcher at AIT in 2009. He has been active in the area of protected areas, biodiversity conservation, landscape ecology and GIS for over 15 years and has been a frequent contributor to several international agencies (e.g., ITTO, IUCN, ADB, CIDA, DANCED/DANIDA, WWF). His current research involves biodiversity conservation and climate change. In addition, he has published a number of peer-reviewed papers and book chapters on these subjects.

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Shrestha Rajendra P. (Asian Institute of Technology, Thailand)

Alkemade Rob (PBL Netherlands Environmental Assessment Agency, The Netherlands)

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